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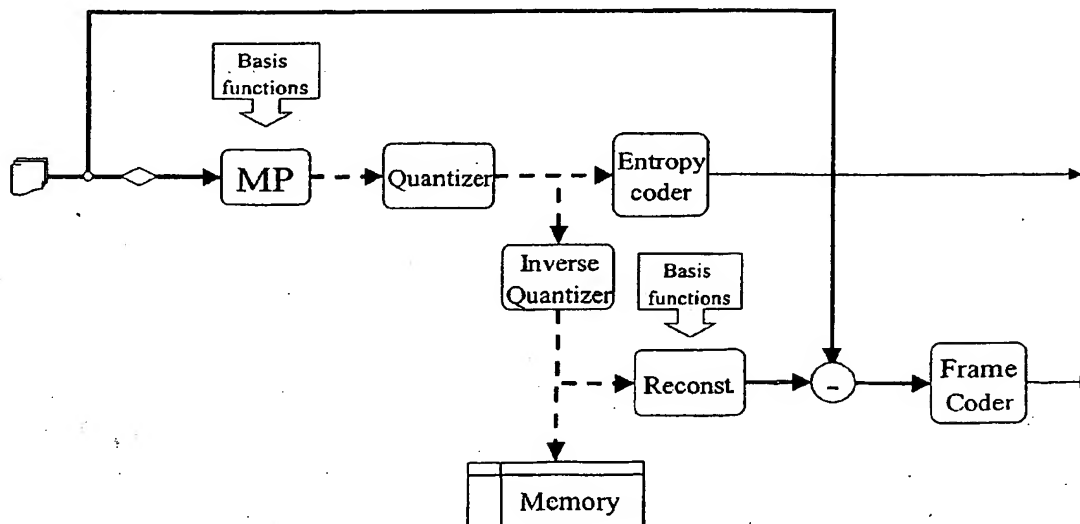
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(54) Title: VIDEO CODING METHOD OF EXPLOITING THE TEMPORAL REDUNDANCY BETWEEN SUCCESSIVE FRAMES



(57) Abstract: The invention relates to a video coding method of exploiting the temporal redundancy between successive frames in a video sequence. A reference frame, called I-frame, is first approximated by a collection of geometric features, called atoms. The following predicted frames called, P-frames, are approximated by the geometric transformations of the geometric features (atoms) describing the previous frame. Preferably, the I-frame is approximated by a linear combination of N atoms (formula), selected in a redundant, structured library. They are indexed by a string of parameters representing the geometric transformations applied to the generating mother function g(x,y) and the cn are weighting coefficients.

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